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Please see attached.

Dear Mr Tan V. Mai:

I am writing in response to your letter dated 02/16/07 regarding patent application number 10/726,753.

1. Based on 37 CFR 1.143 I hereby request a reconsideration of the restriction requirement based on the following grounds:

- a. The method claimed in claims 9-13 relies upon specific details of the apparatus claimed in claims 1-8 which are essential to the method.

The specific details claimed in the independent claim 1 are as follows:

"the apparatus comprising an array of charge-based cells receiving binary inputs, storing binary matrix elements and returning analog outputs; each cell comprising:

A first device storing charge representing one said binary matrix element, the stored charge coupling capacitively to an output line;

A second device coupled to said first device, where transfer of said charge between said first and second device in a computation cycle is controlled by an input line;

A third device coupled to said first device and to a data line, where write or refresh of said charge is activated onto said data line through a select line."

These same details are given in the independent claim 9 as follows:

"parallel signed binary-binary matrix-vector multiplier; said matrix-vector multiplier receiving signed binary inputs, storing signed binary matrix elements and returning analog outputs." The method claimed in claims 9-13 is only physically meaningful and thus patentable if all of the details listed in claim 1 are present (i.g., three charge-mode devices with input and output lines connection as stated).

- b. Further more, claims 9-13 do not provide for any function other than multiplication with improved precision and should therefore be classified identically to claims 1-8 under class 708, subclass 7.

2. In the event the restriction requirement becomes final, the following provisional election of the invention for prosecution is hereby made:

- a. Based on 37 CFR 1.143 claims 9-13 are to be examined as part of this application.
 - b. Based on 35 USC 121 claims 1-8 will be included in a subsequent divisional application which will claim the priority of the filing date of the current application.

Best Regards,

Roman Genov

